Notice of Allowability	Application No.	Applicant(s)
	10/676,902	SCHNORR ET AL.
	Examiner	Art Unit
	Kagnew H. Gebreyesus	1656
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to <u>12/22/06</u> .		
2. X The allowed claim(s) is/are 74,76,77,79,80 and 82-101.		
3.		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 12/22/06 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 5. ☐ Notice of Informal Patent Application 6. ☐ Interview Summary (PTO-413), Paper No./Mail Date 7. ☐ Examiner's Amendment/Comment 8. ☒ Examiner's Statement of Reasons for Allowance		

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DETAILED ACTION

A request for continued examination under 37 CFR 1.114, including the fee set

forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office

action under Ex Parte Quayle, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since

this application is eligible for continued examination under 37 CFR 1.114, and the fee

set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has

been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on December

22nd, 2007 has been entered.

Specification: On page 3 of the specification, delete hyperlink: "(http://afmb.cnrs-

mrs.fr/CAZY/)".

Replace line 1-7 of claim 74 with:

An isolated glycoside hydrolase 61 (GH-61) polypeptide which is selected from the

group consisting of:

(a) a polypeptide that has an amino acid sequence which has at least 95% identity to:

amino acids 1-216 of SEQ ID NO: 2, amino acids 1-304 of SEQ ID NO: 4, or amino

acids 1-204 of SEQ ID NO: 6;

(b) a polypeptide which is encoded by a nucleotide sequence which hybridizes under

<u>high</u> stringency conditions with any of the following polynucleotide probes:

Claim 86: add at the end of the claim "respectively".

Claims 74, 76-77, 79-80, 82-101 are allowed.

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The closest prior art to the invention in the instant application comprises f Saloheimo et al., (1997) or Ito et al (2001) who teach GH61 polypeptides. However Saloheimo et al., (1997) or Ito et al (2001) do not teach the specific sequence of the GH61 taught by Applicants (claims 74-76-77, 79-80, 82-87, 94-101), or a method of preparing an edible product comprising adding a GH61 polypeptide to a dough (claims 88-93).

Furthermore, US PAT 6,365,204 B1 (Spendler et al.) discloses a process of preparing a dough or baked product that comprises an anti-staling amylase. The bread made using this composition shows improved softness. However the specific enzyme disclosed by Spendler et al does not anticipate the specific sequence of the GH61 disclosed by Applicants.

US PAT 5,610,048 (Schuleïn et al.) discloses a xylanase preparation from Hemicola insolenes DSM 1800 used in a method of preparing wheat bread comprising wheat dough and said xylanase preparation. However the specific enzyme disclosed by Schuleïn et al does not anticipate the specific sequence of the GH61 disclosed by Applicants.

Thus the isolated polypeptide sequences of SEQ ID NO: 2, 4 and 6 and variants having at least 95% identity to said polypeptide sequences, a method of preparing an edible product using said polypeptides, a composition of dough comprising said polypeptide(s) have not been disclosed by the prior art. Therefore claims 74, 76-77, 79-80, 82-101 are allowed.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kagnew H. Gebreyesus whose telephone number is 571-272-2937. The examiner can normally be reached on 8:30am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kathleen Kerr Bragdon can be reached on 571-272-0931. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kagnew Gebreyesus PhD.

May 14, 2007

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